EMBL

Analysis and Integration of Transcriptome and Proteome Data

EMBL COURSE

We have moved our website to embl.org/events. The content below is no longer being updated.

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found here.

Programme

Got something to say? Tweet it with #EMBLTransPro

HIDE ALL

Day 1 - Sunday 3 February 2019

Time	Speaker	Location
13:30 - 14:00	**Arrival & Welcome**	Computer Training Lab
14:00 - 16:00	**Lecture: RNA-seq: Is it that Simple?** Vladimir Benes - EMBL Heidelberg, Germany	Computer Training Lab
16:00 - 16:30	**Coffee break**	Computer Training Lab

Time	Speaker	Location
16:30 - 18:00	**Lecture: RNA-seq: From Reads to Genes** -Reference based and alignment-free transcripts counting -Duplication artifacts effects on expression estimation -Annotation effect on expression estimation Raffaele Calogero - University of Torino, Italy	Computer Training Lab
18:00 - 18:10	**Q & A**	Computer Training Lab
18:10 - 19:10	**Dinner**	Rooftop Lounge
19:10	**Shuttle to the Hotel**	

Day 2 - Monday 4 February 2019

Time	Speaker	Location
09:00 - 12:00	**Lecture: From Reads to Gene Lists** -STAR-RSEM mapping and counting -Salmon alignment free counting Raffaele Calogero - University of Torino, Italy	Computer Training Lab
09:00 - 12:00	**Lunch**	EMBL Canteen
13:00 - 18:00	**Lecture: Differential expression analysis: Two groups and multiple groups comparisons using DEseq2 and edgeR anova-like tools** Raffaele Calogero - University of Torino, Italy	Computer Training Lab
18:00 - 19:00	**Dinner**	EMBL Canteen
19:00	**Shuttle to the Hotel**	

Day 3 - Tuesday 5 February 2019

Time	Speaker	Location
09:00 - 12:00	**Lecture: Ribosome profiling** Gerben Menschaert - University of Ghent, Belgium	Computer Training Lab
12:00 - 13:00	**Lunch**	EMBL Canteen

Time	Speaker	Location
13:00 - 14:30	**Lecture: Introduction to Proteomics** Jeroen Krijgsveld - DKFZ, Germany	Computer Training Lab
14:30 - 15:00	**Coffee Break**	Computer Training Lab
15:00 - 15:45	**Lecture: Quantitative proteomics: SILAC and other MS1-based approaches** Jeroen Krijgsveld - DKFZ, Germany	Computer Training Lab
16:00 - 17:30	**Lecture: Quantitative proteomics: TMT** Andre Nogueira Mateus - EMBL Heidelberg, Germany	Computer Training Lab
18:00 - 19:00	**Dinner**	EMBL Canteen
19:00	**Shuttle to the Hotel**	

Day 4 - Wednesday 6 February 2019

Time	Speaker	Location
09:00 - 10:30	**Lecture: Bioinformatics for proteomics** Lennart Martens - University of Ghent, Belgium	Computer Training Lab
10:30 - 11:00	**Coffee Break**	Computer Training Lab
11:00 - 12:30	**Practical Session: Turning data into information-peptide and protein identification, database searching** Lennart Martens - University of Ghent, Belgium	Computer Training Lab
12:30 - 13:30	**Lunch**	EMBL Canteen
13:30 - 15:00	**Practical Session: Turning data into information-peptide and protein identification, database searching (Cont.)** Lennart Martens - University of Ghent, Belgium	Computer Training Lab
15:00 - 15:30	**Coffee Break**	Computer Training Lab
15:30 - 17:30	**Lecture: Introduction to MaxQuant; analysis of MS data** Daria Fijalkowska - DKFZ, Germany	Computer Training Lab

Time	Speaker	Location
17:30 - 18:00	**Shuttle downtown**	
18:00	**Dinner Downtown**	

Day 5 - Thursday 7 February 2019

Time	Speaker	Location
09:00 - 10:30	**Practical Session: Proteomics data interpretation** Daria Fijalkowska - DKFZ, Germany	Computer Training Lab
10:30 - 11:00	**Coffee Break**	Computer Training Lab
11:00 - 12:00	**Lecture: Bioinformatic tools for data comparison and integration** Matt Rogon - EMBL Heidelberg, Germany	Computer Training Lab
12:00 - 13:00	**Lunch**	EMBL Canteen
13:00 - 14:30	**Practical: Introduction to Cytoscape** Matt Rogon - EMBL Heidelberg, Germany Manjeet Kumar - EMBL Heidelberg, Germany	Computer Training Lab
14:30 - 15:00	**Coffee Break**	Computer Training Lab
15:00 - 16:30	**Practical: Introduction to Cytoscape** Matt Rogon - EMBL Heidelberg, Germany Manjeet Kumar - EMBL Heidelberg, Germany	Computer Training Lab
16:30 - 17:30	**Lecture and Practical: Enrichment analysis** Manjeet Kumar - EMBL Heidelberg, Germany Matt Rogon - EMBL Heidelberg, Germany	Computer Training Lab
17:30	**Free Evening**	

Day 6 - Friday 8 February 2019

Time	Speaker	Location

Time	Speaker	Location
09:00 - 10:00	**Application talk: Integration of multi-omics for cellular dynamics and prediction analysis** Hyungwon Choi - National University of Singapore, Singapore	Computer Training Lab
10:00 - 16:00	**Practical Session: Data integration** Matt Rogon - EMBL Heidelberg, Germany	Computer Training Lab
12:30 - 13:30	**Lunch**	EMBL Canteen
10:00 - 16:00	**Practical Session: Data integration** Matt Rogon - EMBL Heidelberg, Germany	Rooftop Lounge
16:00	**Shuttle to Train Station and Crown Plaza Hotel**	

Lecture: RNA-seq: Is it that Simple?

Vladimir Benes - EMBL Heidelberg, Germany